START AHEAD, STAY AHEAD. WITH THE NEW COLUMBIA VP

You'll discover performance packaged in every Columbia VP portable

Introducing the very practical portable from Columbia.

The Columbia VP features IBM-PC compatibility teamed with the most comprehensive software package in the industry to deliver all the functions you need. The Columbia VP is simple to use, convenient for home or office, and packed with powerful features. Even the most advanced applications packages are no problem for the Columbia VP's sophisticated 16-bit 8088 128K/256K RAM processor. The best news of all is the price.

The leader in industry compatibility.

Today, the Columbia VP takes on hundreds of IBM-PC compatible software programs and IBM-PC add-ons or peripherals.

What's more, Columbia supports five other operating systems — CP/M-80, CP/M-86,

Shown are IBM-PC compatible programs. The Columbia VP portable runs MS-DOS* plus five other operating systems.

(Concurrent CP/M-86, OASIS-16" and XENIX" available soon) — stretching the Columbia VP's software compatibility beyond any other personal computer you can buy. And the Columbia VP is made in the U.S.A. and serviced nationwide by Bell & Howell, with 600 field service representatives and 175 service locations.

128K RAM expandable to 256K RAM. 8088 CPU 16-bit processor.

Serial RS-232 interface. Parallel printer interface.

Storage for software and user guide.

Two 5¼" half-high floppy disk drives. 320K double-sided, double-density.

9" screen, green or amber. Full graphic capabilities, 640 x 200, or 320 x 200 pixels. 80 x 25, or 40 x 25 characters.

Rugged, lightweight IBM-standard keyboard. 83 full-function keys, curved to fit your fingertips, all standard ASCII characters, plus 10 function keys and a numeric keypad. Because it's matched to IBM-PC software documentation, learning is easy.
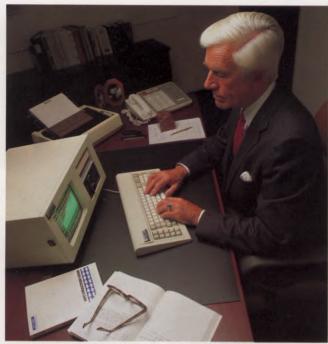
Thousands of dollars worth of software comes FREE with every system.

Every Columbia VP is packaged with software including easy-to-use programs for all of the most common business and professional applications:

Perfect Writer™
Perfect Filer™
MS-DOS, with RAM disk
Macro/86 Assembler
MS-BASIC
Diagnostics
Space Commanders™
Fast Graphs

Perfect Calc™
Perfect Speller™
CP/M-86
BASICA
Asynchronous
  Communications Support
Columbia Tutor
Home Accountant Plus™

The Columbia VP portable for convenient IBM-PC compatibility where you need it.

The very personal computer.

You probably work in a place where there's more than one person who uses a computer. So it's important to have one of your own. The Columbia VP portable is an inexpensive way to have a full performance workstation dedicated to your job. Yet it's ready to travel with you across the country or for work at home.

And you can personalize your Columbia VP portable with optional add-in boards for modems, color graphics, memory expansion or other special applications.

Start ahead, stay ahead.

Every Columbia offers the highest level of hardware and software compatibility in the industry. Plug compatible with the IBM-PC. Flexible enough to work with other operating systems—compatible with a world of software.

Get a head start today with the performance package from Columbia. The Columbia portable.

All the software listed below . . . and much more . . . runs on the Columbia MPC-VP Portable.

Perfect Writer	Visitrend/Plot	Temple of APSHAI
Perfect Speller	The Graphics Generator	Space Strike
Perfect Calc	Video Graph Plus	ZUTU
Perfect Filer	Wordstar	Snack Attack
Fast Graphs	Spellstar	Air Traffic Controller
Home Accountant Plus	Mailmerge	Apple Panic
Asynchronous Communications	Easywriter II (64K)	Executive Suite
Space Commanders	Volkswriter	Floppy Frenzy
Columbia Tutor	SuperWriter	Adventure in Serenia
Diagnostics	The Benchmark- Mailing List	Perfect Software Tutor
BASICA (GW BASIC)	Peachtext	Star Cross
MACRO Assembler	Spelling Proofreader	Viper
MS-DOS	Mailing List	Death Station
CP/M 86	Type Faces	PC-MAN
Visicalc	EZ Label +	CP/M 80
Supercalc	EDIX	Amortizations and Depreciation
Context MBA	Personal Tax Planner	Typing Tutor
Lotus 1-2-3	Accounts Receivable	IBM Demo
Easy Planner	Accounts Payable	MS-FORTRAN 86
Peachcalc	General Ledger	MS-FORTRAN 87
Statistics	Financial Calculator	MS-PASCAL 86
VISI Schedule	Flight Simulator	MS-PASCAL 87
dBASE II	Decathalon	BASIC COMPILER
TIM III	Adventure	COBOL
Condor III-20	Zork I/II/III	C-COMPILER
Visifile	Deadline	P-SYSTEM
Superfile		Fact Track
The Sort		COHERENT

All software printed above in bold face type is included in the price of the Columbia MPC-VP Portable. It's FREE software valued in the thousands of dollars . . . *only* from Columbia Data.

The Columbia MPC-VP Portable

Columbia expansion boards allow you to personalize your VP or MPC for communications, memory expansion, color graphics or other special applications.

And stay ahead with Columbia expansion products for color graphics, memory expansion, communications or other special applications.

Columbia Data Products. Ahead in compatibility, flexibility and value. Call for the name of the Columbia dealer or distributor nearest you.

Columbia Data Products—the leader in compatibility.

Only one company offers so many options in IBM-PC and industry compatibility. Whether you need the convenience of a portable, the reliability of a professional workstation, or a multi-user/network environment, look to Columbia for the most flexible solutions in the industry.

Every Columbia features the highest level of IBM-PC hardware (plug compatible) and software compatibility—choose the system right for you. No other manufacturer comes close to this level of industry-wide compatibility and selection. Start ahead and stay ahead with Columbia compatibility.

The Columbia VP portable.

Convenient, portable IBM-PC compatibility with 128K/256K of RAM, 16-bit processing and a complete package of high performance software.

The Columbia MPC professional workstations.

The most compatible and flexible single and multi-user computer on the market. Eight expansion slots, high speed 16-bit processing, and the most exciting software package in the industry designed to help you start ahead, and stay ahead in IBM-PC compatibility.

The Columbia MPC with hard disk/network capability.

Other Columbia MPC's feature hard disks for extensive data management and multi-user/network environments. Compatible with dozens of other terminals and peripherals for the best flexibility in the industry.

COLUMBIA MPC-VP PORTABLE 1600-VP SPECIFICATIONS

Processor:	8088 CPU 16-bit 4.77 MHz. Socket for 8087 numeric processor.
Memory:	EPROM 12K
	RAM 128K/256K (Piggyback PCB) 250 ns.
Peripheral Interfaces:	Floppy disk controller supporting two ½-high double-sided, double-density floppy disk drives.
	ASYNC serial interface RS-232, 110 to 19, 200 baud.
	Parallel printer port—Centronics compatible.
	Keyboard interface IBM-PC compatible.
	Display interface: Graphics mode: 640 x 200 pixels monochrome 320 x 200 pixels monochrome
	Text Mode: 80 x 25 characters 40 x 25 characters
	DMA controller-4 channels, 838 ns/ Byte transfer rate/channel.
	Eight level priority interrupt controller.
	One IBM-PC compatible expansion slot.

SYSTEM FEATURES:

Keyboard:	IBM-PC compatible.
CRT:	Green or amber phosphor , 9" diagonal, non-glare.
Mass Storage:	Two half-height 5¼" floppy disk drives. 320K bytes per drive.
Physical:	Size: 18" x 16" x 8" with cover. 18" x 14" x 8" in operation. Weight: 32 lbs. Power consumption: 100 watts, 110/220 VAC, 50/60 Hz.
Service:	Bell & Howell Service Company, nationwide. Software support from Perfect Software.

COLUMBIA
DATA PRODUCTS, INC.